



# D cell alkaline batteries

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A D battery (D cell or IEC R20) is a standardized size of a dry cell. A D cell is cylindrical with an electrical contact at each end; the positive end has a nub or bump. D cells are typically used in high current drain applications, such as in large flashlights, radio receivers, and transmitters, and other devices that require an extended running time. A D cell may be either rechargeable or non-rechargeable. Its terminal voltage and capacity depend upon its cell chemistry.

The National Carbon Company introduced the first D cell in 1898. Before smaller cells became more common, D cells were widely known as flashlight batteries. The U.S. military designation for this battery has been BA-30 since sometime before World War II. During World War II, it was designated the Type C battery by the U.S. Navy, leading to confusion with the smaller C cell battery (BA-42).

In 2007, D batteries accounted for 8% of alkaline primary battery sales (numerically) in the U.S. In 2008, Swiss purchases of D batteries amounted to 3.4% of primary and 1.4% of secondary (rechargeable) sales.

A battery's capacity depends upon its cell chemistry and current draw. Duracell brand rates its alkaline D cell performance as approximately 20,000mAh at 25mA draw, but about 10,000mAh at 500mA draw. This effect is generally less pronounced in cells with NiMH chemistry and hardly at all with NiCd. Many commonly available size D rechargeable cells are actually sub-C cells in a D-sized holder.

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Long-lasting power and innovation is what the Energizer Max family is all about. Energizer D batteries hold power for up to 10 years while in storage, so you have power when you need it most. When it comes to toys, portable radios, flashlights, and other valuable devices, you can feel confident knowing you have the long-lasting power and protection you expect from Energizer.

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